

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/006598A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A23L1/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, FSTA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BOVY ARNAUD ET AL: "High-flavonol tomatoes resulting from the heterologous expression of the maize transcription factor genes LC and C1" PLANT CELL, vol. 14, no. 10, October 2002 (2002-10), pages 2509-2526, XP002295919 ISSN: 1040-4651 page 2509; table 1 ----- -/--	1-17

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the International search

15 September 2004

Date of mailing of the International search report

29/09/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	MUIR SHELAGH R ET AL: "Overexpression of petunia chalcone isomerase in tomato results in fruit containing increased levels of flavonols" NATURE BIOTECHNOLOGY, vol. 19, no. 5, May 2001 (2001-05), pages 470-474, XP002295920 ISSN: 1087-0156 page 470	1-17
X	----- DUARTE J ET AL: "Antihypertensive effects of the flavonoid quercetin in spontaneously hypertensive rats" BRITISH JOURNAL OF PHARMACOLOGY 2001 UNITED KINGDOM, vol. 133, no. 1, 2001, pages 117-124, XP002295921 ISSN: 0007-1188 page 122	1-17
Y	----- DATABASE FSTA 'Online! INTERNATIONAL FOOD INFORMATION SERVICE (IFIS), FRANKFURT-MAIN, DE; 1985, MATSUBARA Y ET AL: "Structure and hypotensive effect of flavonoid glycosides in Citrus unshiu peelings." XP002295923 Database accession no. 85-2-11-j0039 abstract & AGRICULTURAL AND BIOLOGICAL CHEMISTRY., vol. 49, no. 4, 1985, page 909, JPJAPAN SOC. FOR BIOSCIENCE, BIOTECHNOLOGY AND AGROCHEM. TOKYO.	1-13,17
X	----- WO 99/37794 A (HUGHES STEPHEN GLYN ; VERHOEYEN MARTINE ELISA (GB); UNILEVER PLC (GB);) 29 July 1999 (1999-07-29) cited in the application	14-16
Y	page 1, line 24 - page 2, line 26; claims	1-13,17
X	----- WO 00/04175 A (UNILEVER PLC ; LEVER HINDUSTAN LTD (IN); UNILEVER NV (NL)) 27 January 2000 (2000-01-27) cited in the application	14-16
Y	page 1, line 31 - page 2, line 25; claims	1-13,17
X	----- US 2003/101477 A1 (HUGHES STEPHEN GLYN ET AL) 29 May 2003 (2003-05-29) paragraph '0005! - paragraph '0008!; claims	14-16
Y	& EP 1 254 960 A (UNILEVER PLC ; UNILEVER NV (NL)) 6 November 2002 (2002-11-06) cited in the application	1-13,17
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>RICE-EVANS C A ET AL: "STRUCTURE-ANTIOXIDANT ACTIVITY RELATIONSHIP OF FLAVONOIDS AND PHENOLIC ACIDS" 1996, FREE RADICAL BIOLOGY AND MEDICINE, ELSEVIER SCIENCE, XX, PAGE(S) 933-956 , XP001027006 ISSN: 0891-5849</p> <p>-----</p>	
A	<p>HOLLMAN P C ET AL: "Absorption, metabolism and health effects of dietary flavonoids in man." BIOMEDICINE &amp; PHARMACOTHERAPY = BIOMEDECINE &amp; PHARMACOTHERAPIE. 1997, vol. 51, no. 8, 1997, pages 305-310, XP002295922 ISSN: 0753-3322</p> <p>-----</p>	

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claim 17 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International Application No  
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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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			WO	9937794 A1		29-07-1999
			EP	1049791 A1		08-11-2000
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WO 0004175	A	27-01-2000	AU	5283199 A		07-02-2000
			WO	0004175 A1		27-01-2000
			US	6608246 B1		19-08-2003
			US	2004163142 A1		19-08-2004
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US 2003101477	A1	29-05-2003	EP	1254960 A1		06-11-2002
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			US	2003101477 A1		29-05-2003
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